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[From XML schema to relations: A cost-based approach to XML storage](#)[psu.edu](#) [PDF]

PBJFP Roy, J Simeon - Proceedings of the 18th ..., 2002 - doi.ieeecomputersociety.org

Page 1. From XML Schema to Relations: A Cost-Based Approach to XML Storage ... In contrast,

LegoDB is a cost- based XML storage mapping engine that explores a space of possible

XML-to-relational mappings and selects the best mapping for a given application. ...

[Cited by 294](#) - [Related articles](#) - [BL Direct](#) - [All 44 versions](#)[\[PDF\] Indexing and querying XML data for regular path expressions](#)[psu.edu](#) [PDF]

Q Li, B Moon - Proceedings of the International Conference on Very ..., 2001 - Citeseer

... Most straightforward approaches to processing regular path expression queries like Q1 is to

traverse the hi- erarchy of XML ... If a chapter element is the root of an XML tree, then the entire tree

will be traversed. The cost of tree traversal may be reduced by a bottom- up approach. ...

[Cited by 762](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 55 versions](#)[\[PDF\] Query optimization for XML](#)[psu.edu](#) [PDF]

J McHugh, J Widom - Proceedings of the International Conference on ..., 1999 - Citeseer

... This component uses statisticsand a cost model in ordertotrans- form the logical query plan into ...

It is this additional factor that makes optimization of queries over XML data both important ... Once

we have an object satisfying the predicate, we traverse back- wards through the data ...

[Cited by 370](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 63 versions](#)[Detecting changes in XML documents](#)[psu.edu](#) [PDF]

G Cobena, S Abiteboul, A ... - Proceedings of the ..., 2002 - doi.ieeecomputersociety.org

... But then the cost of understanding the structure of the document is added to the cost

of detecting the changes, whereas the structure of the XML document is already known

and we should use it to improve our al- gorithm's efficiency. ...

[Cited by 317](#) - [Related articles](#) - [BL Direct](#) - [All 35 versions](#)[Path sharing and predicate evaluation for high-performance XML filtering](#)[psu.edu](#) [PDF]

Y Diao, M Altinel, MJ Franklin, H Zhang, P ... - ACM Transactions on ..., 2003 - portal.acm.org

... XML Path Sharing and Predicate Evaluation • 481 ... Rather, other costs such as document parsing

are in many cases more expensive than the basic path matching, particularly for ... is a single initial state shared by all NFAs. To insert a new NFA p , we **traverse** the combined ...

[Cited by 255](#) - [Related articles](#) - [BL Direct](#) - [All 22 versions](#)

System RX: one part relational, one part XML

K Beyer, RJ Cochrane, V Josifovski, J ... - Proceedings of the ..., 2005 - portal.acm.org

... XQuery is a reference-based language, and hence subsequent expressions on the result of a path expression may **traverse** the document in both ... However, in System RX, we provide native storage for XML that we believe can be altered at considerably lower **cost** over time ...

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AFilter: adaptable XML filtering with prefix-caching suffix-clustering

[kaist.ac.kr](#) [PDF]

KS Candan, WP Hsiung, S Chen, J ... - Proceedings of the ..., 2006 - portal.acm.org

... In general, for deep and recursive XML data, the number of active states can be exponentially large [7,8,13 ... proposed approach benefits from prefix commonalities across path expressions, while simultaneously leveraging suffix commonalities to reduce the **cost** of exploration of ...

[Cited by 42](#) - [Related articles](#) - [BL Direct](#) - [All 2 versions](#)

[PDF] Approximate tree embedding for querying XML data

[psu.edu](#) [PDF]

T Schlieder, F Naumann - ACM SIGIR workshop on XML and information ..., 2000 - Citeseer

... (a) Query tree (b) Part of a XML data tree ... numeration this is the node with the smallest number among all data nodes belonging to matches in S . The algorithm **traverses** the path ... root node of the embedding d_r setting d_i to each inspected node (line 2). The delete **cost** $\text{cost}(d_i)$...

[Cited by 63](#) - [Related articles](#) - [View as HTML](#) - [All 14 versions](#)

Benefits of path summaries in an XML query optimizer supporting multiple access ...

A Barta, MP Consens, AO Mendelzon - Proceedings of the 31st ..., 2005 - portal.acm.org

... Path summaries are used as back-ends that is, the XML query is evaluated by **traversing** the path ... Thus, the Timber or the structural joins rates a **cost**-model for stems like Natix [12] les for ... egies for XML query esented in the context roposed in [6]. In the e higher level consists on ...

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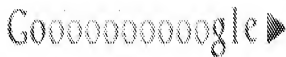
Query biased snippet generation in XML search

[grid5.cn](#) [PDF]

Y Huang, Z Liu, Y Chen - Proceedings of the 2008 ACM SIGMOD ..., 2008 - portal.acm.org

... XML data, which takes an input of a node ID and returns the information about this node, such as node type (entity, attribute, or connection node) and key values (if exists). Hash indexes are also built to access $N(e, a)$, $D(e, a)$ and $N(e, a, v)$ in $O(1)$. Therefore the **cost** of **traversing** ...

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